Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/710,638              | HALL ET AL.                             |
| Examiner                | Art Unit                                |

| √  | Rejected | • |   |  |
|----|----------|---|---|--|
| 11 | Allowed  |   | + |  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

Timothy Edwards, Jr.

| Α | Appeal   |
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| 0 | Objected |

2612

| Claim Date |          |  | :::  | Claim Date |                 |              |          |                 |                    |        |                | Cl          | aim      | Date   |          |                |               |                  |          |              |  |                |       |          |  |                 |          |          |  |                 |                   |                   |                        |
|------------|----------|--|--|------------|-----------------|--------------|----------|-----------------|--------------------|--------|----------------|-------------|----------|--|----------|----------------|---------------|------------------|----------|--------------|--|----------------|-------|----------|--|-----------------|----------|----------|--|-----------------|-------------------|-------------------|------------------------|
|            |          |  |  |            |                 |              |          |                 |                    |        | :::            |             |          |  |          |                | ĺ             |                  |          |              |  |                |       | _        |  |                 |          |          |  |                 |                   |                   |                        |
| च          | Original | 20   |  |            |                 |              |          |                 |                    |        |                | ল           | Original |  |          |                | j             |                  | ľ        |              |  |                | a     | Original |  |                 |          |          | ١,   |                 |                   |                   |                        |
| Final      | ij       | 3/3/07   |  |            |                 |              |          |                 |                    |        |                | Final       | ij       |  | İ        |                |               |                  |          | a a          |  |                | Final | rigi     |  |                 | }        |          |  |                 |                   |                   |                        |
| —          | Ō        | က  |  |            |                 |              |          |                 |                    |        |                |             | Ō        |  |          |                |               |                  |          |              |  |                |       | Õ        |  |                 |          |          |  |                 |                   |                   |                        |
|            | 4        | 1  |  |            |                 |              | $\vdash$ | 1               |                    | :      |                |             | 51       | ┤─┤  | -        | $\dashv$       | $\dashv$      |                  | $\dashv$ | +            | +  |                |       | 101      |  |                 |          | -        | ├─   | _               |                   |                   | $\vdash \vdash$        |
|            | 7        | V  |  |            |                 |              | <u> </u> | 1               |                    | ::     | :::r           |             |          | ┨  |          |                | _             |                  |          |              | <del> </del>                                     | .:::::         |       | •        |  |                 |          |          |  |                 |                   |                   | $\vdash\vdash\vdash$   |
|            | 2        | ₩.   |  | <u> </u>   |                 |              |          |                 | $\left  - \right $ | :      |                |             | 52       | ┦  |          |                | -             | _                | +        |              | +  |                |       | 102      |  | -               |          |          |  | -               | -                 |                   | $\vdash$               |
|            | 3        | V  | -  | <u> </u>   |                 | <u> </u>     |          |                 |                    | ∷      |                |             | 53       | -  | -        |                | <del> -</del> | _                |          | -            | -  |                |       | 103      |  |                 |          | ļ        |  |                 |                   |                   | Щ                      |
|            | 4        | 1  |  |            |                 |              |          |                 |                    |        |                |             | 54       | <del>                                     </del> |          | _              |               |                  |          | <del></del>  |  |                |       | 104      |  |                 |          | _        |  |                 |                   |                   | $\vdash \vdash \vdash$ |
|            | 5        | 1  | ļ  | <u> </u>   |                 |              | _        |                 |                    | :      |                |             | 55       | $\sqcup$   |          | _              | $\rightarrow$ |                  |          |              | <del>                                     </del> |                |       | 105      |  |                 |          | <u> </u> |  |                 |                   |                   |                        |
|            | 6        | ٧  |  |            | Ľ.              |              |          |                 |                    |        |                |             | 56       |  |          |                |               | _                |          |              |  |                |       | 106      |  |                 |          | <u> </u> | <u> </u>   |                 |                   |                   | Щ                      |
|            | 7        | 1  |  |            |                 |              |          | <u> </u>        |                    | 1::    |                |             | 57       | $\sqcup$   |          |                |               |                  |          |              |  |                |       | 107      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 8        | 1  |  |            |                 |              |          |                 |                    |        |                |             | 58       |  |          |                |               |                  |          |              |  |                |       | 108      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 9        | 1  |  |            |                 |              |          |                 |                    |        |                |             | 59       |  |          |                |               |                  |          |              |  |                |       | 109      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 10       | V  |  |            |                 |              |          |                 |                    | ·   :: |                |             | 60       |  |          |                |               |                  |          |              |  |                |       | 110      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 11       | 1  |  |            |                 |              |          |                 |                    |        | ∷∷⊁            |             | 61       |  | $\dashv$ |                |               | $\Box$           |          |              |  |                |       | 111      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 12       | 1  |  |            |                 |              |          |                 |                    | :      |                |             | 62       |  |          |                | $\dashv$      | $\dashv$         | +        | 1            |  |                |       | 112      |  |                 |          |          |  |                 |                   |                   | $\sqcap$               |
|            | 13       | 1  |  |            |                 |              |          |                 |                    | ::     |                |             | 63       | $\Box$   | $\dashv$ | $\dashv$       |               | $\dashv$         |          | 1            | † †  |                |       | 113      |  |                 |          |          |  |                 | -                 |                   |                        |
|            | 14       | V  | <del>                                     </del> |            |                 |              |          |                 |                    |        | ∷⊹             |             | 64       | $\vdash \vdash$                                  | $\dashv$ | $\dashv$       |               | $\dashv$         | $\dashv$ | +            | +  |                |       | 114      | <del>                                     </del> |                 |          |          | <del>                                     </del> |                 |                   |                   |                        |
|            | 15       | 1  |  |            | $\vdash$        |              |          | H               | $\vdash \vdash$    | :      | -              |             | 65       | $\vdash$   | $\dashv$ | +              | $\dashv$      | +                | +        | +-           | +  |                |       | 115      | <del>                                     </del> |                 |          | <b>-</b> | <del> </del>                                     | $\vdash$        |                   |                   |                        |
|            | 16       | 1  |  |            | $\vdash$        |              | <u> </u> | $\vdash \vdash$ | -                  | -1::   | ::: <b>:</b>   |             | 66       |  | $\dashv$ | $\dashv$       | $\dashv$      | $\dashv$         | $\dashv$ | +            | ┼─┤  |                |       | 116      | $\vdash$   | H               | $\vdash$ |          |  | $\vdash$        |                   |                   |                        |
| -          |          | 1  |  | -          |                 |              |          | ╁╼╼┥            |                    | :      | -              |             | 67       |  |          | <del>-  </del> | $\dashv$      | <del>-</del>     |          |              |  |                |       |          |  | H               |          | -        | $\vdash$   | $\vdash \vdash$ | $\dashv$          | $\dashv$          | H                      |
|            | 17<br>18 | <del>                                     </del> | -  |            |                 |              |          |                 | $\vdash$           | :      | -              |             |          | H  | $\dashv$ | $\dashv$       | $\dashv$      | +                | +        | +            | 1 1  |                |       | 117      | $\vdash$   |                 |          | -        | _  |                 |                   |                   | H                      |
|            |          | \ \ \  |  |            |                 |              |          |                 |                    | :      | ::: <b> </b>   |             | 68       |  |          |                | $\dashv$      | _                | +        | -            | +  |                |       | 118      |  |                 |          |          | $\vdash$   |                 | -                 |                   |                        |
|            | 19       | 1  |  |            |                 | _            |          | <b> </b>        | $\longrightarrow$  | ::     |                |             | 69       |  |          | _              | $\dashv$      | _                | _ _      | -            | <del></del>                                      |                |       | 119      |  |                 |          |          | <u> </u>   |                 |                   |                   |                        |
|            | 20       | V  |  |            |                 |              |          |                 |                    | ::     | _              |             | 70       |  | _        |                | _             |                  |          | -            | $\downarrow$                                     |                |       | 120      |  |                 |          |          |  |                 |                   |                   | oxdot                  |
|            | 21       | V  |  |            |                 |              |          |                 |                    | ::     |                |             | 71       |  |          | ]              | $\Box$        |                  |          |              |  |                |       | 121      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 22       | V  |  |            |                 |              |          |                 |                    |        | :::L           |             | 72       |  |          |                |               |                  |          |              |  |                |       | 122      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 23       | √  |  |            |                 |              |          |                 |                    | ::     | :::L           |             | 73       |  |          |                |               |                  |          |              |  |                |       | 123      |  |                 |          |          |  |                 |                   | ·                 |                        |
|            | 24       | 0  |  |            |                 |              |          |                 |                    |        |                |             | 74       |  |          | Ī              |               |                  |          |              |  |                |       | 124      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 25       | 0  |  |            |                 |              |          |                 |                    |        |                |             | 75       |  |          |                |               |                  |          |              |  |                |       | 125      | ,  |                 |          |          |  |                 |                   |                   |                        |
|            | 26       | 1  |  |            |                 |              |          |                 |                    |        | :::F           | Î           | 76       |  |          | 一              |               |                  |          |              |  |                |       | 126      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 27       | V  |  |            |                 |              |          |                 |                    | ::     |                | f           | 77       |  |          | $\neg$         |               |                  |          |              |  |                |       | 127      |  |                 |          |          |  |                 |                   | $\Box$            |                        |
|            | 28       | 1  |  |            |                 |              |          |                 |                    |        | ∷⊹Γ            | · · · · · · | 78       |  | $\neg$   |                | _             | _                |          | 1            | 1  |                |       | 128      |  |                 |          |          |  |                 |                   | $\neg$            | $\neg$                 |
|            | 29       | V  |  |            |                 |              |          |                 |                    |        | ∷∷୮            |             | 79       |  |          | $\dashv$       | $\dashv$      | -                | $\dashv$ | 1            | 1  |                |       | 129      | -  |                 |          |          |  |                 |                   | $\dashv$          | $\dashv$               |
|            | 30       | 1  |  |            |                 |              |          |                 |                    |        | ::: <b> </b> - | 1           | 80       |  | _        | $\dashv$       |               |                  | +-       | +            |  |                |       | 130      |  |                 |          |          |  |                 |                   | $\dashv$          | $\neg$                 |
| <u> </u>   | 31       | 1  |  |            |                 |              |          | $\vdash$        |                    |        | -              |             | 81       |  |          | $\dashv$       | $\dashv$      | $\rightarrow$    | +        | +            | +1   | •              |       |          |  | H               |          |          |  |                 |                   | $\dashv$          | $\dashv$               |
| <u> </u>   |          | -  |  |            |                 |              |          | $\vdash$        |                    | ::     | -              |             |          |  |          | <del> </del> - |               |                  |          | -            | ╁─┤  | :::: <b>:</b>  |       | 131      |  |                 |          |          |  |                 | $\longrightarrow$ |                   |                        |
| $\vdash$   | 32       | √  |  |            | $\vdash \dashv$ |              |          | H               |                    | ::     | -              |             | 82       |  | -        | $\dashv$       | $\dashv$      | <del>-  </del> - | -        | +            | +  |                |       | 132      |  | $\vdash \vdash$ |          |          |  |                 | $\dashv$          | $\dashv$          | $\dashv$               |
| <b>}</b>   | 33       | =  |  |            | $\vdash \vdash$ |              |          |                 |                    |        | _              |             | 83       | $\vdash \vdash$                                  |          |                |               |                  | +        | +-           | $\downarrow \downarrow \downarrow$               |                |       | 133      |  |                 |          |          |  |                 |                   |                   | $\dashv$               |
|            | 34       | =  | <b> </b>   |            |                 |              |          |                 | $\dashv$           | ::     | -              |             | 84       | $\left  - \right $                               | _        | $\dashv$       | _             | $\bot$           | +        | +-           | ightarrow  |                |       | 134      |  | $\square$       |          |          |  |                 | $\dashv$          |                   |                        |
|            | 35       | =  |  |            |                 |              |          | $\square$       |                    | ::     |                |             | 85       |  |          |                |               |                  |          | +-           | $\downarrow \downarrow \downarrow$               |                |       | 135      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 36_      | =  |  |            |                 |              | 1        |                 |                    | :      |                |             | `86      |  | $\perp$  |                |               | $\perp$          |          | 1            | lacksquare                                       |                |       | 136      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 37       | =  |  |            |                 |              |          |                 |                    | :      |                |             | 87       |  |          |                |               | $\perp$          | $\perp$  | $\perp$      |  |                |       | 137      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 38       |  |  |            |                 |              |          |                 |                    |        |                |             | 88       |  |          |                |               |                  |          |              |  | :::::          |       | 138      |  |                 |          |          |  | $\prod$         | I                 |                   | ]                      |
|            | 39       |  |  |            |                 |              |          |                 |                    |        |                |             | 89       |  |          |                |               |                  |          |              | 1 1  |                |       | 139      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 40       |  |  |            |                 |              |          |                 |                    |        |                |             | 90       |  |          |                |               |                  |          |              |  |                |       | 140      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 41       |  |  |            |                 |              |          |                 |                    |        |                |             | 91       |  |          |                |               |                  |          | $\top$       | $\Box$   |                |       | 141      |  |                 |          |          |  |                 | 一                 |                   | $\neg$                 |
|            | 42       |  |  |            |                 |              |          |                 |                    |        |                |             | 92       |  |          |                | 1             |                  |          |              |  | · · · · · · ·  |       | 142      |  |                 |          |          |  |                 | $\dashv$          | $\dashv$          | $\dashv$               |
|            | 43       |  |  |            |                 |              |          |                 | _                  |        | ::  <b>-</b>   |             | 93       | $\vdash$   | 十        | _              | 7             | +                | _        | <del> </del> |  | ::::: <b> </b> |       | 143      |  |                 | $\dashv$ |          |  |                 | $\dashv$          | <del></del>       | $\dashv$               |
|            | 44       |  |  |            | $\vdash$        | $\vdash$     | $\neg$   |                 | $\dashv$           | -      | ∷⊦             |             | 94       |  | $\dashv$ | $\dashv$       | 十             | $\dashv$         | 1        | +-           | ┼┤   |                |       | 144      |  | -               | -        |          | $\vdash$   | <b>-</b>        | _                 | $\dashv$          | $\dashv$               |
|            | 45       |  |  |            |                 | <del>-</del> |          |                 |                    |        | ∷⊦             | +           | 95       | +  | +        | $\dashv$       | $\dashv$      | $\dashv$         | $\dashv$ | +            | ╅╼╌┨   |                |       | 145      |  |                 |          |          | $\vdash \vdash$                                  |                 | -                 | $\dashv$          | $\dashv$               |
|            | 46       |  | $\vdash$   |            | $\vdash$        |              | $\dashv$ | -               | $\dashv$           |        | ∷L             |             | 96       | $\dashv$   | +        |                | $\dashv$      | $\dashv$         | +        | +-           | 1  | •              |       | 146      |  |                 |          |          |  |                 | $\dashv$          | -                 | $\dashv$               |
| <b></b>    |          | <b> </b>   |  |            |                 |              |          |                 |                    |        |                |             |          |  | $\dashv$ | $\dashv$       | $\dashv$      | -                |          |              | 1  | ::::: <b>.</b> |       |          | -  |                 |          |          |  |                 | $\dashv$          | $\longrightarrow$ |                        |
|            | 47       |  |  |            |                 |              |          |                 | -                  |        | ∷⊦             |             | 97       | -  | $\dashv$ | $\dashv$       | -+            |                  | _        |              | 1  |                |       | 147      |  |                 |          |          |  |                 | $\dashv$          | <del> </del>      | {                      |
|            | 48       |  |  |            |                 |              | $\dashv$ | $\vdash \vdash$ | _                  | :::    |                |             | 98       | $\dashv$   | $\dashv$ |                | _             | -                |          | -            |  | -              |       | 148      |  |                 |          |          |  |                 | 4                 |                   | _                      |
|            | 49       |  |  |            |                 |              |          |                 |                    |        |                |             | 99       | .  |          | _              | $\bot$        | _                | $\perp$  | <b>.</b>     |  |                |       | 149      |  |                 |          |          |  |                 |                   |                   |                        |
|            | 50       |  |  |            |                 |              |          |                 |                    |        | ::             |             | 100      |  |          |                |               |                  | _1_      |              |  |                |       | 150      |  |                 |          |          |  | I               |                   |                   |                        |